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Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

on 8-13-03

(Typed or printed name of person mailing correspondence)

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Application Number:

10/616,750

File Date:

July 10, 2003

Title: METHOD AND APPARATUS FOR ASSISTING REMOVAL OF SAND

MOLDINGS FROM CASTINGS

Our Reference Number:

C152 1111.1

Information Disclosure Statement Forms PTO-1449 Return Postcard

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application)	
LEWIS)	
Serial No:	10/616,750)
Filed:	July 10, 2003)

For: METHOD AND APPARATUS FOR ASSISTING REMOVAL OF SAND MOLDINGS FROM CASTINGS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Applicant hereby voluntarily discloses the reference listed on the attached Form PTO-1449 to the Assistant Commissioner for Patents. References A-DT were cited in a prior application relied upon by the above-identified application for an earlier filing date. The prior application relied upon is Application Serial No. 09/852,256, filed on May 9, 2001. It is specified in 37 CFR 1.98(d) that a "copy of any patent, publication or other information listed in an information disclosure statement is not required to be provided if it was previously cited by or submitted to the Office in a prior application, provided the prior application is properly identified in the statement and relied upon for an earlier filing date under 35 USC 120." Therefore please review the parent case for references A-DT.

Applicant further reserves the right to establish the patentability of the claimed invention over any of the listed information should they be applied as references, and/or to prove that some of the cited information may not be prior art, and/or to prove that some of the cited information may not be enabling for the teachings they purport to offer. This statement further should not be construed as the representation that an exhaustive search has been made, or that the information cited herewith is material, or that there does not exist information more material to the examination of the present Application. The Examiner is specifically requested not to rely solely on the information submitted herein. On the contrary, the Examiner is requested to conduct an

independent and thorough review of the information, and to form independent opinions as to their significance.

It is respectfully requested that the Examiner initial and return copies of the enclosed PTO-1449 and to indicate in the official file wrapper of the above-identified patent application that each item of the cited information has been considered.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to account no. 09-0528.

Respectfully submitted,

Date: August 12, 2003

Louis T. Isaf

Attorney for Applicant

Reg#29,078

Womble Carlyle Sandridge & Rice, PLLC P.O. Box 7037 Atlanta, GA 30357-0037 (404) 872-7000 (Telephone) (404) 888-7490 (Facsimile)

Docket No.: C152 1111.1



Attorney Docket No. C152 1111.1

lo. Serial No. 10/616,750

INFORMATION DISCLOSURE CITATION

Applicant
Lewis et al.

Filing Date
July 10, 2003

Group

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS Examiner Item Subclass Filing Date Document Class Date Name If Appropriate **Initials** Number 44 5,531,423 07/96 Crafton et al. 266 Α 10/96 148 538 В 5,565,046 Crafton et al. 5,294,094 03/94 Crafton et al. 266 44 C 5,350,160 09/94 Crafton et al. 266 252 D 10/94 Crafton 44 Ε 5,354,038 266 5 08/95 164 F 5,439,045 Crafton 538 09/96 Crafton et al. 148 G 5,551,998 5 04/98 Crafton 164 Η 5,738,162 148 16 Ι 4,340,433 07/82 Harding 58 J 4,604,055 08/86 Mackenzie 432 K 6,648,836 03/87 Thom 432 107

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İ		Number					Yes	No
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	M	5939464	08/82	Japan				
;	N	59219410	12/84	Japan .				
1	0	5825860	02/83	Japan				
	P	5653867	05/81	Japan				

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Q	Economical Used Energy Type Continuing Heat Treating Furnace For Aluminum Castings
	Dogyo - Kanetsu Vol. 21 No. 2 Pages 29-36 - March 1984
R	Brochures describing Beardsley & Pipe PNEU-RECLAIM Sand Reclamation Units
	Prior to August 13, 1992
 S	Brochure describing Fataluminum Sand Reclamation Units - Prior to August 13, 1992
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EXAMINER'S SIGNATURE:

DATE CONSIDERED:

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^{*} EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Attorney Docket No. Serial No. 10/616,750 C152 1111.1

Applicant

Lewis et al. Filing Date

July 10, 2003

Group

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(Use several sheets if necessary)

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	Т	4,392,814	07/83	Harding	431	170	
	U	4,478,572	10/84	Selli	432	13	
	V	4,415,444	11/83	Guptail	209	3	
	W	4,411,709	10/83	Nakanishi	148	3	
	X	4,700,766	10/87	Godderidge	164	5	
	Y	4,620,586	11/86	Musschoot	164	253	
	Z	3,871,438	03/75	Vissers et al.	164	5	
	AA	4,140,467	02/79	Ellison et al.	432	72	
	AB	5,253,698	10/93	Keough et al.	164	269	
	AC	4,457,352	07/84	Scheffer	164	5	
	AD	4,579,319	04/86	Sasaki	266	252	

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		Document	Date	Country	Class	Subclass	Transl	ation
		Number	ŀ				Yes	No
	AE	2230720	10/90	UK	B220	29/00		
	AF	0234810	03/85	USSR	164	132		
1	AG	6316853	01/88	Japan	164	132		
,	AH	3206048	02/82	Germany				
	AI	2307773	02/73	Germany				

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1	01	
	AJ	Paul M. Crafton - Heat Treating Aging System Also Permits Core Sand Removal - Reprinted
		from 09/89 Modern Castings magazine
	AK	Preliminary Remarks dated 07/30/91 and filed in Serial No. 07/705,626
	AL	Declaration of Paul M. Crafton & Scott P. Crafton dated 07/26/91 and filed in Serial Number
* .	(07/705,626

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Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE

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	AM	2,98	8,351	06/61	Barnett et al.		263	40		
	AN	4,21	1,274	07/80	Slowinski et al.		164	401		
	AO	4,294	4,436	10/81	Takahashi		266	257		
	AP	3,534	4,946	10/70	Westerkamp et al.		263	28		
	AQ	4,57	7,671	03/86	Stephan		164	401		
	AR	4,54	4,013	10/85	Kearney et al.		164	5		
	AS	4,95	5,425	09/90	McKenna		164	269		
	AT	4,582	2,301	04/86	Wunning		266	87		
	AU	2,38	5,596	10/45	Barnett	•	34	13		
	AV.	3,73	7,280	06/73	Cromp		432	14		
	AW	5,42		06/95	Bonnemersou et al.		164	132		
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	AX	6092	040	05/85	Japan		164	132		
	AY	4012	158	1989	Germany		164	5		
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	BF	4,16	1,389	07/79	Staffin et al.		432	. 58		
	BG	4,519	9,718	05/85	Staffin et al.		374	45		
	ВН	4,45	7,788	07/84	Staffin et al.		148	20.3		
	BI	5,378	8,434	01/95	Staffin et al.		422	141		
	BJ	5,01	8,707	05/91	Hemsath et al.		266	254		
	BK	4,16	1,389	07/79	Staffin et al.	•	432	58		<u> </u>
	BL	5,54	7,228	10/85	Girrell et al.		148	16		
	BM	4,67	1,496	06/87	Girrell et al.		266	78		
	BN	4,512	2,821	04/85	Staffin et al.		148	16.5		
	во	4,52	4,957	06/85	Staffin et al.		266	252		
	BP	4,77	9,163	10/88	Bickford et al.		361	212		
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	BQ	2337	7894	11/74	Germany		B08b	7/04		
	BR	1,56	4151	04/80	UK					
Ì	BS.	2315	958	04/74	Germany		B08b	5/00		
	ВТ	7043	3571	12/70	France		15/00	11/00		
	BU	1392	2405	04/75	UK		25/00	33/18		
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			U.S.	PATENT DOCU	MENTS				
Examiner Initials	Item	Document Number	Date	Name	;	Class	Subclass	Filing If Appro	
	BX	5,169,913	12/92	Staffin et al.		526	65		
	BY	4,613,713	09/86	Staffin et al.		585	241		
	BZ	4,068,389	01/78	Staffin et al.		34	57A		
<u> </u>	CA	4,623,400	11/86	Japka et al.		148	6.35		
CB 3,760,800		3,760,800	09/73	Staffin et al.		128	24.1		
	CC 4,830,605			Hodate et al.		431	170		
	CD	4,242,077	12/80	Hyre		431	19		
	CE	2,813,318	11/57	W. Horth		22	89		
	CF	4,681,267	07/87	Leidel et al.		241	23		
	CG	4,427,,375	01/84	Di Rosa		432	58		
	СН	2,385,962	10/45	C.A. Barnett		· 34	13		
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		Number						Yes	No
	CI	1197981	12/85	Canada		38	18		
	CJ	2104164	08/90	Japan					
Ì	CK	62110248		Japan					
	CL	63108941	05/88	Japan					
	СМ	2137114	10/84	UK		B01J8	268/36		
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	CN	5,850,866	12/98	Crafton		164		5		
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	СР	4,177,952	12/79	Rikker		241		40		
	CQ	4,325,424	04/82	Scheffer		164		5		
	CR	6,112,803	09/00	Kruger		164	1	03		
	CS	5,443,383	08/95	Kuehn		432	1	28		
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	CU	4,490,107	12/84	Kimura et al.		432		11		
	CV	5,052,923	10/91	Peter et al.		432	2	207		
	CW	3,351,687	11/67	Thome et al.		432	1	.33		
	CX	5,239,917	08/93	Lutkie et al.		99	44	43C		

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		Number					Yes	No	
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	CZ	WO 98/14291	04/98	PCT					
į	DA	2187398	09/87.	UK	F27B	15/09			
,	DB	WO 97/30805	08/97	PCT					
	DC	195 30 975	02/97	Germany	B22C 5/00	B22D 29/00			

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Form 1	INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Attorney D		Vo. Seri	Sheet 7 of 8 Serial No. 10/616,750		
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	DD	4,499,940	02/85	Hall ·		164	36			
	DE	6,042,369	03/00	Bergman et al.	(1)	432	15			
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	DF	1-122658	05/89	Japan		B22D	29/00	103	T	
		3-465	01/91	Japan		B22D	29/00			
i	DH	0546210A1	06/93	Europe		B22D 29/00	B22D 31/00			
:	DI	2448573	02/79	France		C21D 9/00	1/34, 1/62			
	DJ	1-91957	04/89	Japan		164	132			
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<u> </u>	DK	5,251,683	10/93	Backer		164	98	98		
	DL	3,993,420	11/76	Haas et al.	425 127		127		· 	
	DM	5,263,652	11/93	Iwanami et al.	241 57		57			
	DN	4,802,525	02/89	Heine et al.		164	48			
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	DS	0 077 511	10/82	Europe		B22D	29/00			
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